

WHAT IS CLAIMED IS:

1. A high-frequency knife, comprising:
  - an electrically insulating flexible sheath having a distal end and a proximal end;
  - 5 an operation member having a distal end and a proximal end, and movable in an axial direction in the sheath;
  - 10 an electrode part provided on the distal end of the operation member, at least a part of the electrode part being axially projected from and retracted in the distal end of the sheath, the electrode part having a rod electrode part extending in the axial direction of the sheath and a plate electrode part disposed on a distal end of the rod electrode part, the plate 15 electrode part including a plane surface part extending in a direction crossing the axis direction of the sheath,
  - 20 a handheld operation section provided on the proximal end of the sheath, the operation section having a slider part which moves the operation member in the axial direction of the sheath; and
  - 25 a connector part provided on the slider part, and having an internal end portion and an external end portion, the external end portion being electrically connected with a cord communicating with a high-frequency generating source, and the internal end portion being electrically connected with the electrode

part through the operation member.

2. A high-frequency knife according to claim 1,  
wherein the plate electrode part has a plurality of  
hook portions on its external periphery.

5 3. A high-frequency knife according to claim 2,  
wherein the plate electrode part has a disc, and  
the hook portions has a plurality of projections  
provided on an external peripheral surface of the disc,  
the projections being arranged along a line in a  
10 peripheral direction on the external peripheral surface  
of the disc.

4. A high-frequency knife according to claim 2,  
wherein the plate electrode part has a polygonal plate.

15 5. A high-frequency knife according to claim 4,  
wherein the polygonal plate has a triangular shape, and  
the hook portions are corner portions of the triangular  
plate.

6. A high-frequency knife according to claim 5,  
wherein the corner portions has sharp edge.

20 7. A high-frequency knife according to claim 3,  
wherein the plate electrode part has a plurality of rod  
arms projected outward from a central portion of the  
plate electrode part, and the arms being connected to  
each other to form a polygonal shape.

25 8. A high-frequency knife according to claim 1,  
wherein the sheath has at its distal end a receiving  
part for the plate electrode part.